


Technyl® C 206

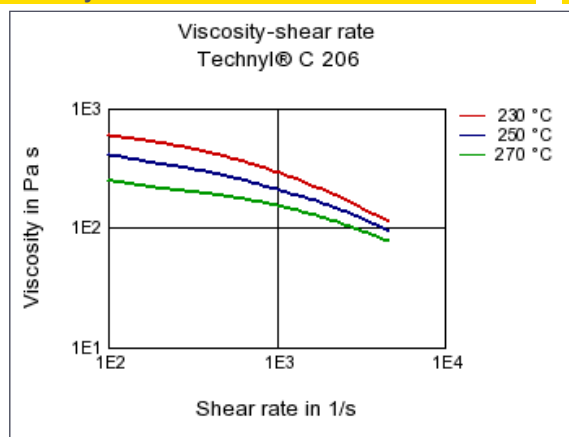
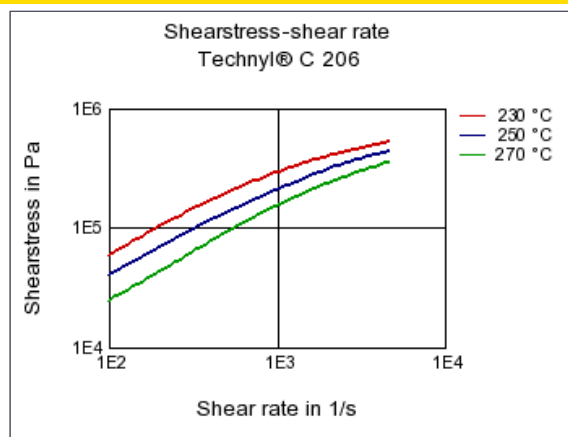
PA6

Solvay Engineering Plastics

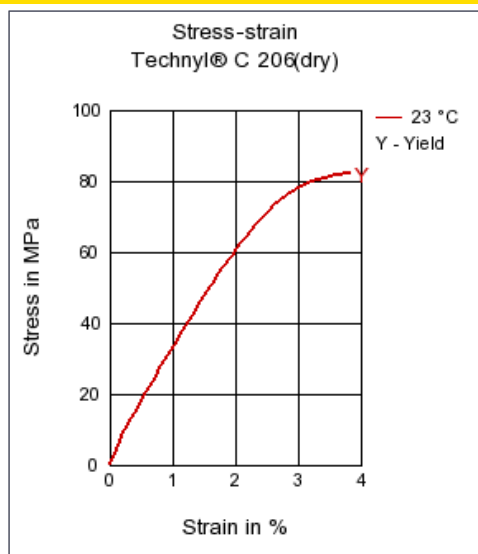
Product Texts

Polyamide 6, unreinforced, standard, for fast cycling, for injection moulding

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	2850 / 1100	MPa	ISO 527-1/-2
Charpy notched impact strength (+23°C)	5 / -	kJ/m²	ISO 179/1eA
Thermal properties			
ISO Data			
Melting temperature (10°C/min)	222 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	80 / *	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	70 / *	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	V-2 / *	class	IEC 60695-11-10
Thickness tested	1.6 / *	mm	IEC 60695-11-10
Electrical properties			
ISO Data			
Relative permittivity, 1MHz	3.4 / 3.9	-	IEC 60250
Dissipation factor, 1MHz	230 / -	E-4	IEC 60250
Volume resistivity	1E13 / 1E9	Ohm*m	IEC 60093
Surface resistivity	* / 1E11	Ohm	IEC 60093
Electric strength	- / 18	kV/mm	IEC 60243-1
Other properties			
ISO Data			
Density	1140 / -	kg/m³	ISO 1183

Diagrams
Viscosity-shear rate

Shearstress-shear rate


Stress-strain



Characteristics

Processing

Injection Molding

Other text information

Injection Molding

PROCESSING

Melt temperature: 220°C

Mold temperature: 23°C

Chemical Media Resistance

Acids

- 😊 Acetic Acid (5% by mass) (23°C)
- 😊 Citric Acid solution (10% by mass) (23°C)
- 😊 Lactic Acid (10% by mass) (23°C)
- 🚫 Hydrochloric Acid (36% by mass) (23°C)
- 🚫 Nitric Acid (40% by mass) (23°C)
- 🚫 Sulfuric Acid (38% by mass) (23°C)
- 🚫 Sulfuric Acid (5% by mass) (23°C)
- 🚫 Chromic Acid solution (40% by mass) (23°C)

Bases

- 🚫 Sodium Hydroxide solution (35% by mass) (23°C)
- 😊 Sodium Hydroxide solution (1% by mass) (23°C)
- 😊 Ammonium Hydroxide solution (10% by mass) (23°C)

Alcohols

- 🚫 Isopropyl alcohol (23°C)
- 🚫 Methanol (23°C)
- 🚫 Ethanol (23°C)

Hydrocarbons

- 😊 n-Hexane (23°C)
- 😊 Toluene (23°C)
- 😊 iso-Octane (23°C)

Ketones

 Acetone (23°C)**Ethers** Diethyl ether (23°C)**Mineral oils** SAE 10W40 multigrade motor oil (23°C)**Standard Fuels** Standard fuel with alcohol (pref. ISO 1817 Liquid 4) (23°C)**Salt solutions** Zinc Chloride solution (50% by mass) (23°C)**Other** Ethylene Glycol (50% by mass) in water (108°C) 50% Oleic acid + 50% Olive Oil (23°C) Water (23°C) Deionized water (90°C)